

TIMOTHY P. MURRAY LIEUTENANTGOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

# The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
Bureau of Laboratory Sciences

02-14-12

# Dear ADA Whalen:

Enclosed is the discovery packet for Commonwealth V Enclosed are copies of the following information:

- 1. The Drug Laboratory Receipt
- 2. The Drug Laboratory Control Cards
- 3. The Drug Powder Analysis Forms and Gas Chromatography Results
- 4. The GC/MS Confirmatory Data

I was the custodial chemist in this case and Kate Corbett was the confirmatory chemist. If you would like to discuss this case, please feel free to call me directly at the number below.

\_\_\_

Sincerely:

Peter Piro

GC/MS Laboratory Supervisor I Department of Public Health Hinton State Laboratory Institute Forensic Drug Laboratory, Rm 361 305 South Street Jamaica Plain, Ma 02130 617-983-6634

Peter Piro@state.ma.us

The Commonwealth of Massachusetts Executive Office of Health and Human Services Jrug Department of Public Health Jratory State Laboratory Institute J17) 983-6622 .x (617) 983-6625

**Amherst Drug** Laboratory Tel (413) 545-2601 Fax (413) 545-2608

> Amherst Hours 9:00 - 12:00 1:00 - 4:00

**Boston Hours** 8:00 - 11:00 2:00 - 4:00

d

DRUG RECEIPT

2979

Police Reference No. Name and Rank of Submitting Officer: F11- Er. (

Defendant(s) Name (last, first, initial)

**Description of Samples** To be completed by Lab Personnel **Gross Weight** Lab Number Liquid substance in 2 boxtles 1 Bottles Note to Lob: Upon MV stop Suspect clumped drugs in to Coffee. This is The contents

Received by:

Date:

Corbett\_email\_PRR\_013192

Date Analyzed: | City: Barnstable Police Dept. Officer: P.O. ERIC DRIFMEYER Subst: LIQUID Amount: Cont: bottle No. Cont: No. Analyzed: Date Rec'd: 12/16/2011 Net Weight: 123,29% #Tests: 7 P.7:3 249.18 Gross Wt.: Prelim: Hero: 2 1-26-12 Findings: Date Analyzed: 1 | 30 | 12 No. B11-14536

4

City: Barnstable Police Dept. Officer: P.O. ERIC DRIFMEYER

Cont: bottle

Def: DEWEES, DAVID

-249.18 193.18

1-26-12

Amount:

No. Cont:

Gross Wt.:

Date Rec'd: 12/16/2011

Prelim: HETO: N

Subst: LIQUID

1/31/12 8.9:0

No. Analyzed:

Net Weight: 67.0 grans

# Tests: 7 P.P.ro

Findings:

Corbett\_email\_PRR\_013193

# DRUG POWDER ANALYSIS FORM

	agency Barnstable Analyst	
No. of samples tested:	Evidence Wt.	249.18
PHYSICAL DESCRIPTION: EOF  I Amber bottle with Liquid believed to Liquid Centrious Liquid Centrious Liquid Centrious Liquid Centrious Liquid Centrious Extractes	be coffee Gross Wi ( ):  be coffee Gross Wi ( ):  ed and pH recorded Pkg. Wi:  Net Wi:  J extracted with chlordorn  J PH Adjusted to pH	245.8 122.6 123.2 VOK 03 10. and 04905 NID110 Serial # 11.2549326 0.2 grans 0.5 1.0 10.6 50.0
PRELIMINARY TESTS Spot Tests #1  Cobalt Thiocyanate ( )  Marquis Purple Froehde's  Mecke's  Green 1-31-12	_ X	
PRELIMINARY TEST RESULTS  RESULTS () N KAOWA  DATE 1-23-/2	그만 장면를 잃었다고 하지만 하는데 그 사람은 경험을 하는 것으로 살아 되었다.	<b>√</b>

Revised 7/2005

Sequence Name: C:\msdchem\1\sequence\012512PJP.S

Comment:

Operator: P.PIRO

Data Path: D:\SYSTEM5 GC DATA\01\_25\_12\

Instrument Control Pre-Seq Cmd: Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd: Data Analysis Post-Seq Cmd:

(X) Full Method (X) Inject Anyway ( ) Reprocessing Only

Method Sections To Run On A Barcode Mismatch

( ) Don't Inject

	Line			Sample Name/Misc Info
1	) Sample	1	01	GENSCAN BLANK GENSCAN COCATNE/CODRINE MIX 7.32 7.89
2	) Sample	2	02	GENSCAN COCAINE/CODEINE MIX 7.321/.81
3	) Sample	8 6 8 <b>1</b> 8	03	GENSCAN BLANK
4	) Sample	4	04	GENSCAN HEROIN STD 8.64
5	) Sample	1	05	GENSCAN BLANK
6	) Sample	6	06	GENSCAN BUPRENORPHINE STD 13.69
7	) Sample	1	07	TO THE GENSOAN ABLANK TO THE PROPERTY OF THE P
. 8	) Sample	8	08	GENSCAN BLANK GENSCAN B11-07013 8.64 (4) Hero.~
9	) Sample	1	09	GENSCAN BLANK
10	) Sample	10	10	GENSCAN BIT-07013 8.64 (1) FEID. GENSCAN BIT-07015 13.70 (1) Bupiessorphise
11	) Sample	1	11	THE GENERAL BLANK THE STATE A LIVEN BY A LIVEN BY
12	) Sample	12	12	GENSCAN B11-14535-1 8.64 OCC+) 1270.0
13	) Sample	1	13	GENSCAN BLANK
14	) Sample	14	14	GENSCAN B11-14535-2 8 65
15	) Sample		15	GENSCAN BLANK GENSCAN BLANK GENSCAN B11-14536-1 8.66 dilute 3X (+) Herow
16	) Sample	16	16	
17	) Sample	<b>1</b>	17	GENSCAN BLANK GENSCAN B11-14536-2 8-64 OK (A) Hrow
18	) Sample	18	18	GENSCAN B11-14536-2 8 64 01 (T) H21000
19	) Sample	1	19	GENSCAN BLANK

Last Modified: Wed Jan 25 11:49:02 2012

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
   Data File: 01.D
   Signal(s) : FID1A.CH
   Acq On
               : 25 Jan 2012 11:52
   Sample
              : BLANK
   Misc.
                     Sample Multiplier: 1
   ALS Vial : 1
   Integration File: autoint1.e
              : C:\MSDCHEM\1\METHODS\GENSCAN.M
   Method
   Title
   Response
                                               Signal: 01.D\FID1A.CH
             1.265
    3800000
    3600000
    3400000
    3200000
    3000000
    28000000
    2600000
    2400000
    2200000
    2000000
    1800000
    1600000
    1400000
   1200000
   1000000
    800000
    600000
    400000
    200000
  Time
              2,00
                    4.00
                          6.00
                                8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00
                                                                                     26.00
                                                                                           28.00
GENSCAN.M Wed Jan 25 12:26:36 2012
```

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File: 02.D Signal(s): FID1A.CH Acq On: 25 Jan 2012 12:28 Sample : COCAINE/CODEINE MIX Misc. ALS Vial : 2 Sample Multiplier: 1 Integration File: autoint1.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Method Title Response Signal: 02.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 28000000 7.324 2600000 7.891 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 2.00 Time 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00

GENSCAN.M Wed Jan 25 13:02:09 2012

Page: 2

26.00 28.00

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
 Data File: 03.D
Signal(s): FID1A.CH
            : 25 Jan 2012 13:03
 Acq On
 Sample
             : BLANK
Misc
                    Sample Multiplier: 1
 ALS Vial : 1
 Integration File: autointl.e
             : C:\MSDCHEM\1\METHODS\GENSCAN.M
Method.
Title
Response_
                                               Signal: 03.D\FID1A.CH
           1.264
  3800000
  3600000
  3400000
  3200000
 3000000
  2800000
 2600000
 2400000
 2200000
 2000000
 1800000
 1600000
 1400000
 1200000
 1000000
  800000
  600000
  400000
  200000
Time
            2.00
                         6.00
                               8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00
                   4.00
```

GENSCAN.M Wed Jan 25 13:37:53 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 04.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 13:39 Sample : HEROIN STD Misc :

ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

peak R.T. Start	End PK	peak p	eak pea	k % of
# min min	min TY	height a	rea % ma	x. total
1 1 000 1 040	4 400 55	E2.4820500 #A		
1 1.265 1.240				
2 8.642 8.606	0,000 DD	orrected area	14130 ) 0.2	/6 U.2006

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
Data File : 04.D
Signal(s) : FID1A.CH
                : 25 Jan 2012 13:39
   Acq On
                : HEROIN STD
   Sample
   Misc
   ALS Vial : 4
                     Sample Multiplier: 1
   Integration File: autoint1.e
   Method
               : C:\MSDCHEM\1\METHODS\GENSCAN.M
   Title
   Response
                                                   Signal: 04.D\FID1A.CH
             1.265
    3800000
    3600000
    3400000
    3200000
    3000000
    2800000
    2600000
    2400000
    2200000
    2000000
    18000000
    16000000
    1400000
                                     8.642
    1200000
    1000000
     800000
     600000
     400000
    200000
  Time
               2.00
                      4.00
                            6.00
                                   8.00
                                       10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00
                                                                                            26.00 28.00
GENSCAN.M Wed Jan 25 14:13:23 2012
                                                                                                    Page: 2
```

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
    Data File : 05.D
    Signal(s) : FID1A.CH
             : 25 Jan 2012 14:14
    Acq On
    Sample
              : BLANK
    Misc
    ALS Vial : 1
                     Sample Multiplier: 1
    Integration File: autoint1.e
   Method.
               : C:\MSDCHEM\1\METHODS\GENSCAN.M
   Title
   Response_
                                               Signal: 05.D\FID1A.CH
             1.265
     3800000
     3600000
     3400000
    3200000
    3000000
    2800000
    2600000
    2400000
    2200000
    2000000
    1800000
    1600000
    1400000
    1200000
    1000000
    800000
    600000
    400000
    200000
  Time
                    4.00
                          6.00
                                    10.00 12.00 14.00 16.00 18.00
                                8.00
                                                                  20.00 22.00 24.00 26.00 28.00
GENSCAN, M Wed Jan 25 14:48:59 2012
                                                                                           Page: 2
```

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 06.D Signal(s) : FID1A CH Acq On : 25 Jan 2012 14:50 Sample : BUPRENORPHINE STD Misc ALS Vial : 6 Sample Multiplier: 1 Integration File: autoint1.e Method: : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response Signal: 06.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 13.691 400000 200000 Time 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 GENSCAN.M Wed Jan 25 15:24:32 2012 Page: 2

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 11.D Signal(s) : FID1A.CH : 25 Jan 2012 17:48 Acq On Sample : BLANK Misc Sample Multiplier: 1 ALS Vial : 1 Integration File: autoint1.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Method Title Response\_ Signal: 11.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 2.00 4.00 Time GENSCAN.M Wed Jan 25 18:22:25 2012 Page: 2 Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File: 12.D Signal(s): FID1A.CH Acq On: 25 Jan 2012: 18:23

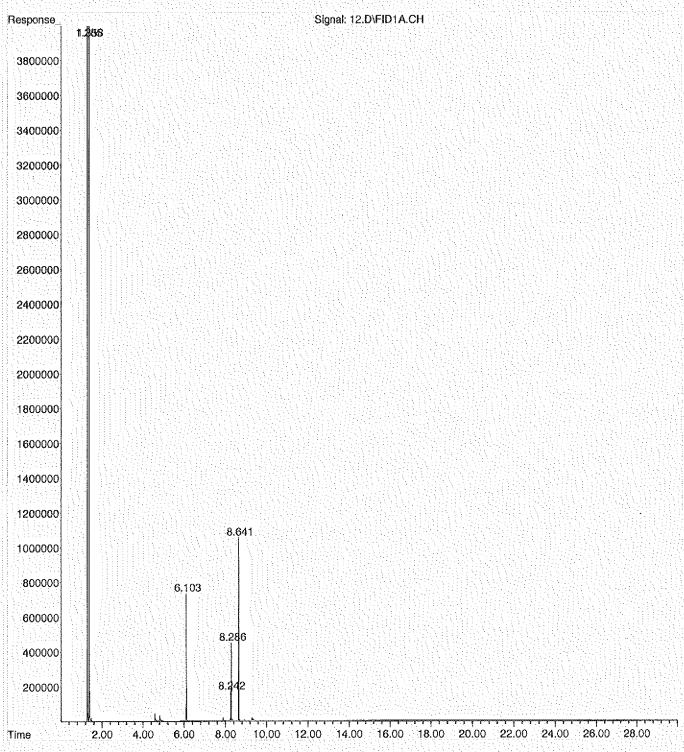
Misc

Sample Multiplier: 1 ALS Vial: 12

Integration File: autoint1.e

: C:\MSDCHEM\1\METHODS\GENSCAN.M Method

Title



GENSCAN.M Wed Jan 25 18:58:00 2012

Page: 2

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\
Data File : 13.D Signal(s) : FID1A.CH : 25 Jan 2012 18:59 Acq On Sample : BLANK Misc ALS Vial : 1 Sample Multiplier: 1 Integration File: autoint1.e Method : C:\MSDCHEM\1\METHODS\GENSCAN.M Title. Signal: 13,D\FID1A.CH Response 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000

8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

Time

2.00

4.00

GENSCAN.M Wed Jan 25 19:33:31 2012

6.00

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 14.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 19:34

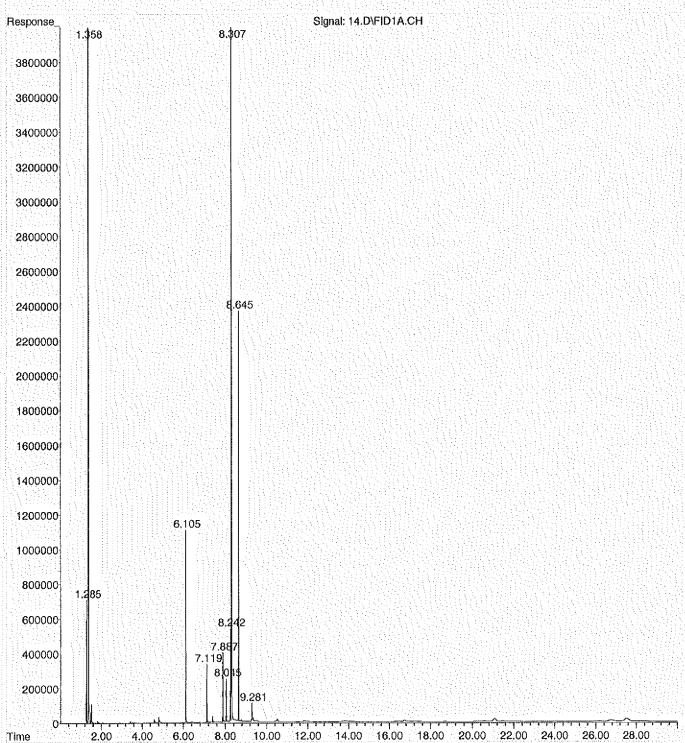
Misc

ALS Vial: 14 Sample Multiplier: 1

Integration File: autoint1.e

Method: C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 20:09:05 2012

# DRUG POWDER ANALYSIS FORM

No. of samples tested:	AGENCY BANALYST PRITED  EVIDENCE Wt. 193.18
PHYSICAL DESCRIPTION: EOPB  - Lamber bottle w  - Liquid Centrific  recorded. Liquid  Liquid extracted	th Ligurd  Gross Wt ( ): 1897  Jed and pH  Pkg. Wt: 122/  believed to be coffee Not Wt: 67.0  with Chloroxorm #1)
LASQUED pH P	10justo to phylo + extracted with 15 2 GHAUS NID110 Serzitt 1/25493269 Cakbrated 1-25-/2 0,2 grams 0,5 1.0 10.0 50.0
PRELIMINARY TESTS Spot Tests Cobalt	Microcrystalline Tests  Gold
Thiocyanate ( )  Marquis Purple  Froehde's Purple    Mecke's Brown G	Purple TLTA()
PRELIMINARY TEST RESULTS RESULTS ()りないのいり DATE 1-25-12	GC/MS CONFIRMATORY TEST  RESULTS HOROIN  MS OPERATOR  DATE 1-30-12 Final

Sequence Name: C:\msdchem\1\sequence\012512PJP.S

Comment:

Operator: P.PIRO
Data Path: D:\SYSTEM5 GC DATA\01\_25\_12\

Instrument Control Pre-Seq Cmd: Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd: Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method () Reprocessing Only

On A Barcode Mismatch

(X) Inject Anyway

٠.	- 1	-			 				
		,	- 2	٠,	Don		- T		
		1		. 3	-11077	· - T	- 17	7	PCT

	Line			Sample Name/Misc Info
1)	Sample	1	01	GENSCAN BLANK GENSCAN COCAINE/CODEINE MIX 7.32 7.89 GENSCAN BLANK
2)	Sample	2	02	GENSCAN COCAINE/CODEINE MIX 7.321
3)	Sample	1	03	GENSCAN BLANK
4)	Sample	4	04	GENSCAN HEROIN STD 8:64
5)	Sample	1	05	GENSCAN BLANK
6)	Sample	6	06	GENSCAN BUPRENORPHINE STD 13.69
7)	Sample	1	07	OPATOCAN DIANIE
8)	Sample	8	0.8	GENSCAN BLANK GENSCAN B11-07013 & L4 (4) Hero.~
9)	Sample	1	09	CPMCCAN BIANK
10)	Sample	10	10	GENSCAN B11-07015 13.76 (+) Bupreworph. De
11)	Sample	1	11	$A = \{A \in A \mid A \in A \mid A \in A \mid A \in A \}$
12)	Sample	12	12	GENSCAN B11-14535-1 8.64 OC CT)
13)	Sample	1	13	GENSCAN BLANK FRANK FRAN
14)	Sample	14	14	GENSCAN B11-14535-2 8.65
15)	Sample	1	15	OPRICORNI DY ARTY
16)	Sample	16	16	
17)	Sample	1	17	GENSCAN BLANK GENSCAN B11-14536-2 8 64 OK (4) Hero: N
18)	Sample	18	18	GENSCAN B11-14536-2 8 64 OF (7) H21000
19)	Sample	1	19	GENSCAN BLANK
4.00	医乳腺性结合性 医电流性性神经病	医多类性 医电影电影	- A 1 1 1 1	《中国文学》中的的文学,他们还是自己的文学的文学,在这个文学的,也是这种是有意思的,是是这种是这种的,并是这种的文学的,可是这种的文学的,也是是这种的文学的文学

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 01.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 11:52 Sample : BLANK Misc. ALS Vial : 1 Sample Multiplier: 1 Integration File: autointl.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response Signal: 01.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 20000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 Time 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 2.00 4.00 GENSCAN.M Wed Jan 25 12:26:36 2012 Page: 2

Area Percent Report Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 02.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 12:28 Sample : COCAINE/CODEINE MIX Misc ALS Vial : 2 Sample Multiplier: 1 Integration File: autoint1.e Method : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response Signal: 02.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 7.324 2600000 7.891 2400000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 Time 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

GENSCAN.M Wed Jan 25 13:02:09 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 03.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 13:03

Sample : BLANK

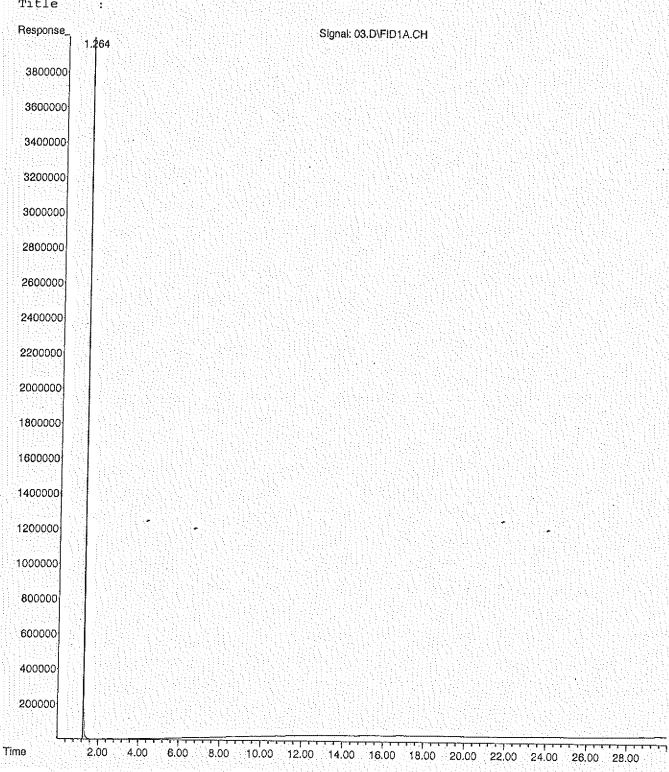
Misc

ALS Vial: 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title



GENSCAN.M Wed Jan 25 13:37:53 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File: 04.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 13:39 Sample : HEROIN STD

Misc

ALS Vial: 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

peak R.T. # min			peak height	peak area	peak % max	1 1 1 1 1 1 1 1 1 1 1 1	
1 1.265	1.240 1.40	BB	5347325	87_509962	4998 100	.00% 99.	- 734%
2 8.642	8.606 8.685 Sur	5 BB n of co	1345881 prrected	(13,61215	6 0.27 51132371	% 0.266 54	8

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 04.D Signal(s) : FID1A.CH Acq On : 25 Jan 2012 13:39 Sample : HEROIN STD Misc ALS Vial : 4 Sample Multiplier: 1 Integration File: autoint1.e : C:\MSDCHEM\1\METHODS\GENSCAN.M Title Response\_ Signal: 04.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 2400000 2200000 2000000 18000000 1600000 1400000 8.642 12000000 1000000 800000 600000 400000 200000 Time 2.00 4.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 6.00 GENSCAN.M Wed Jan 25 14:13:23 2012 Page: 2

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\ Data File : 05.D Signal(s): FID1A.CH Acq On: 25 Jan 2012 14:14 Sample: BLANK Misc ALS Vial : 1 Sample Multiplier: 1 Integration File: autoint1.e Method : C:\MSDCHEM\1\METHODS\GENSCAN.M Title. Response\_ Signal: 05.D\FID1A.CH 1.265 3800000 3600000 3400000 3200000 3000000 2800000 2600000 24000000 2200000 2000000 1800000 1600000 1400000 1200000 1000000 800000 600000 400000 200000 Time 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 2.00 4.00 28.00 GENSCAN.M Wed Jan 25 14:48:59 2012 Page: 2

```
Data Path : D:\SYSTEM5 GC DATA\01_25_12\
     Data File: 06.D
     Signal(s): FID1A.CH
Acq On : 25 Jan 2012 14:50
     Acq On
     Sample
                 : BUPRENORPHINE STD
     Misc
     ALS Vial ; 6
                        Sample Multiplier: 1
     Integration File: autoint1.e
     Method
                 : C:\MSDCHEM\1\METHODS\GENSCAN.M
     Title
     Response_
                                                  Signal: 06.D\FID1A.CH
               1.265
      3800000
      3600000
      3400000
      3200000
     3000000
     2800000
     2600000
     2400000
     2200000
     2000000
     1800000
     1600000
    1400000
    1200000
    1000000
     800000
     600000
                                                  13.691
     400000
    200000
                           6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00
  Time.
               2.00
                     4.00
GENSCAN.M Wed Jan 25 15:24:32 2012
                                                                                               Page: 2
```

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 15.D

Signal(s): FID1A.CH Acq On: 25 Jan 2012 20:10

Sample : BLANK

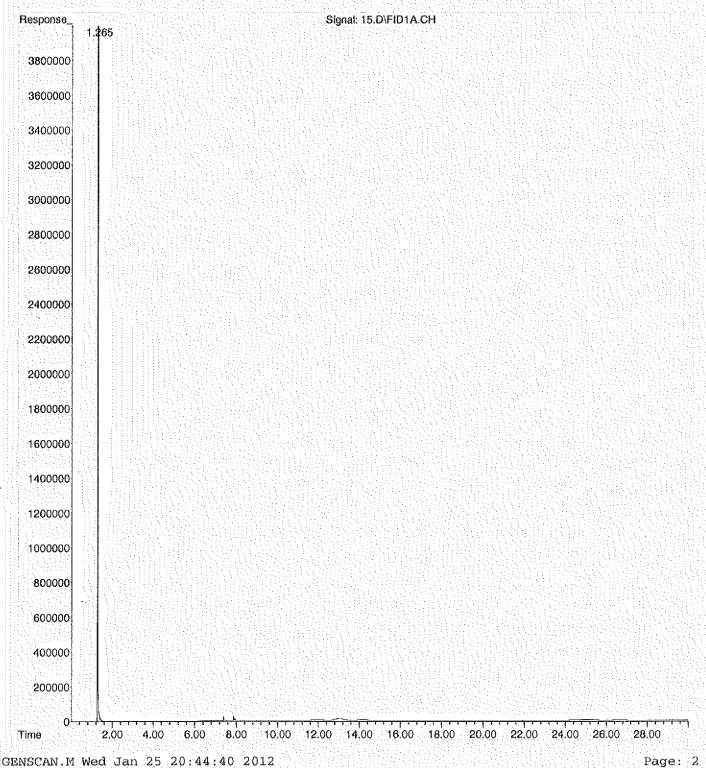
Misc

: 1 ALS Vial Sample Multiplier: 1

Integration File: autoint1.e

: C:\MSDCHEM\1\METHODS\GENSCAN.M Method

Title



Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 16.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 20:46

Misc : ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

peak #	R.T. min	Start min	End min		peak height	peak area	peak % max.	% of total
1	1.286	1.234	1.318	 BV	3644661	26870524	0.80%	0.735%
2	1.328	1.318	1.349	VV	166691	1307256	0.04%	0.036%
3	1.361	1.349	1.456	VB	28996535	5 33574685	69 100.0	0% 91.806%
4	1.508	1.494	1.546	PB	175417	1547753	0.05%	0.042%
5	2.678	2.614	2.734	BB	324844	6052318	0.18%	0.165%
\ 6	3.400	3.359	3.454	BB	390202	3225886	0.10%	0.088%
7	4.566	4.548	4.626	BB	481288	3820573	0.11%	0.104%
8	4.796	4.776	4.854	BB	397449	3310738	0.10%	0.091%
9	6.112	6.079	6.166	BB	2410980	21636344	0.64%	0.592%
10	6.371	6.334	6,406	BV	139411	1291944	0.04%	0.035%
11	8.242	8.199	8.265	BV :	694243	6118588	0.18%	0.167%
12	8.285	8.265	8.339	VB	258320	2295882	0.07%	0.063%
13	8.649	8.608	8.676	BB	3965608		1.29%	1.186%
	10.503	10.464	10.593	VB	236607	5878166	0.18%	0.161%
15	13.831	13.641	13.916	BB	104199	7420306	0.22%	0.203%
	16 845	100	46 000		4.505.0			
	16.745	16.618	16.972	BB	169648	12865619	0.38%	0.352%
	21.157	20.905	21.382	BB	392096	39626343	1.18%	1.084%
	26.912	26.525	27.195	BB	213713	35502559	1.06%	0.971%
4.1	27.756	27.368	27.784	BV	506981	52052501	1.55%	1.423%
20	27.795	27.784	28.028	VB	491511	25482329	0.76%	0.697%

Sum of corrected areas: 3657148926

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 16.D Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 20:46

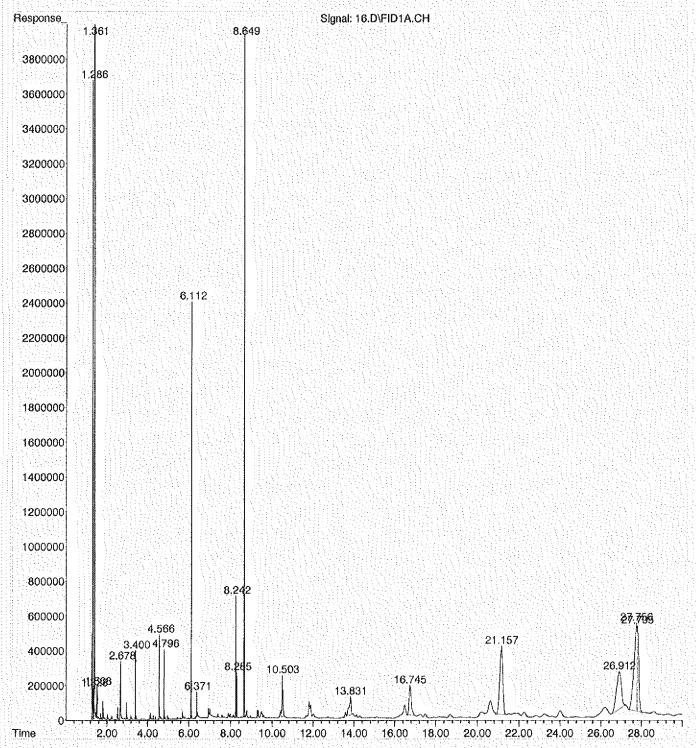
Misc

ALS Vial: 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title



GENSCAN.M Wed Jan 25 21:20:13 2012

Page: 2

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 17.D Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 21:21

Sample : BLANK

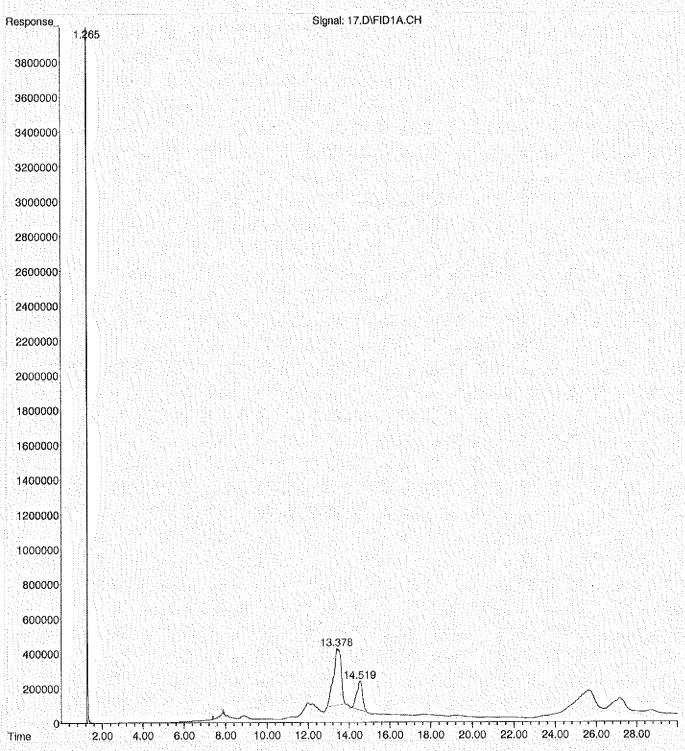
Misc

ALS Vial: 1 Sample Multiplier: 1

Integration File: autointl.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 21:55:47 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File: 18.D Signal(s): FID1A.CH

Acq On : 25 Jan 2012 21:57

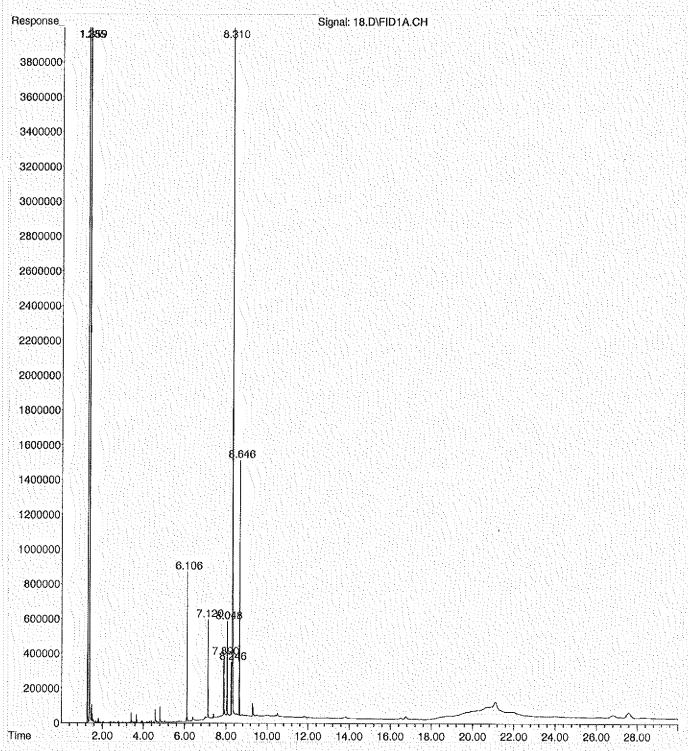
Misc

ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method: C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 22:31:26 2012

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 19.D Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 22:32

Sample : BLANK

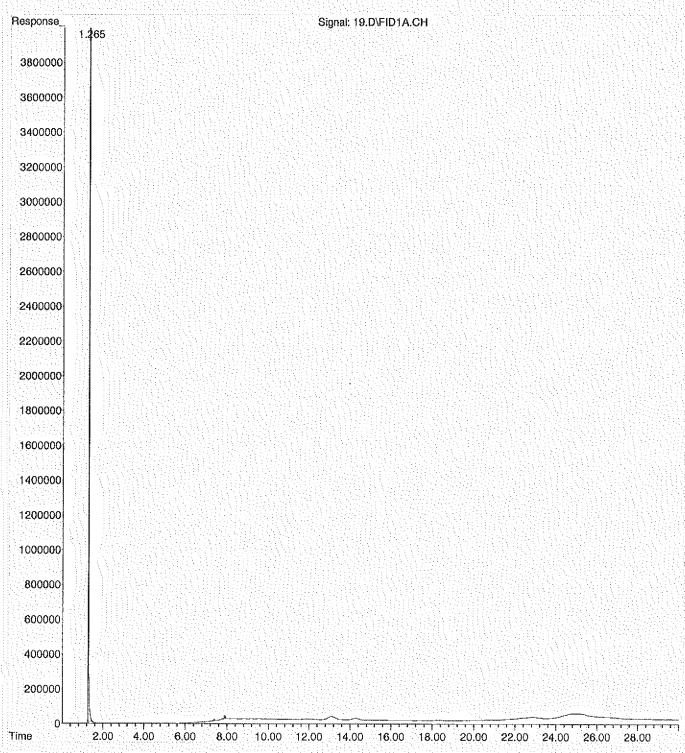
Misc

ALS Vial: 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Wed Jan 25 23:06:59 2012

# Area Percent / Library Search Report

VKAC 2/14/12

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815004.D

Operator : KAC

Date Acquired : 26 Jan 2012 10:51

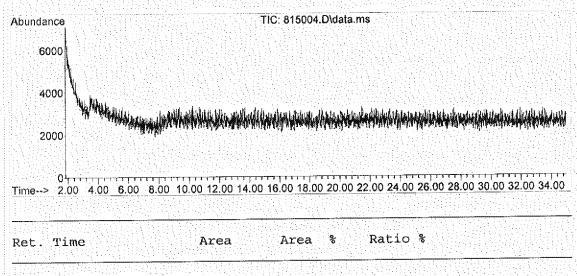
Sample Name : BLANK

Submitted by

Vial Number : 1

AcquisitionMeth: SCREEN.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

## Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815005.D

Operator : KAC

Date Acquired : 26 Jan 2012 11:30

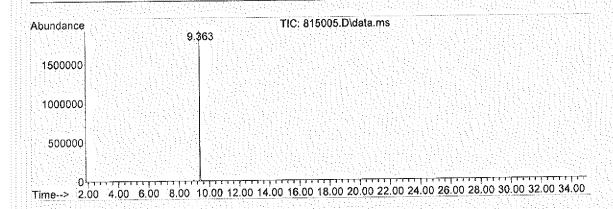
Sample Name : HEROIN STD

Submitted by

Vial Number : 5

AcquisitionMeth: SCREEN.M

Integrator : RTE



Ret. Time	Area	Area	% Ratio	*	
9,363	2381630	100.0	0 100.00		

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815005.D

Operator : KAC

26 Jan 2012 11:30

Date Acquired : 26 Jan 201: Sample Name : HEROIN STD

Submitted by

PK#

Vial Number : 5

AcquisitionMeth: SCREEN.M

Integrator : RTE

RT

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

Library/ID

Minimum Quality: 80

CAS#

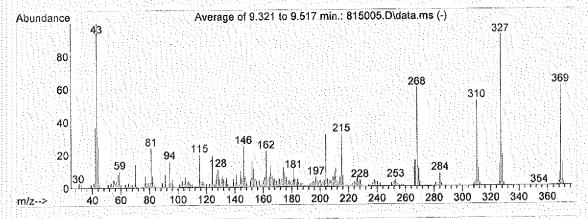
Minimum Quality: 80

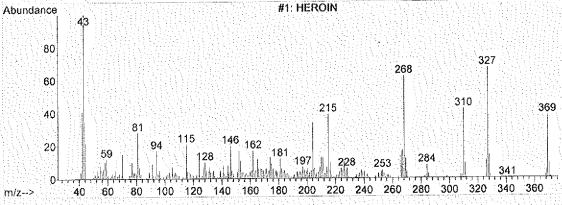
1 9.36 C:\Database\SLI.L

HEROIN

000561-27-3 99

Qual





815005.D

Tue Feb 14 12:59:56 2012

Page

#### Area Percent / Library Search Report

Information from Data File:

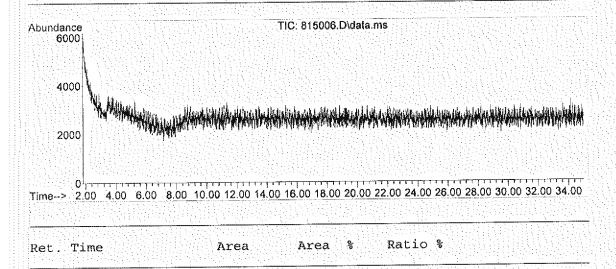
File Name : C:\msdchem\1\System7\01\_26\_12\815006.D

Operator : KAC

Date Acquired : 26 Jan 2012 12:09

Sample Name : BLANK
Submitted by : P.PIRO
Vial Number : 1
AcquisitionMeth: SCREEN.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

Tue Feb 14 13:00:07 2012

Page 1

## Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815007.D

Operator : KAC

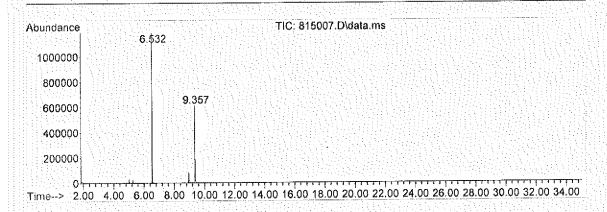
Date Acquired : 26 Jan 2012 12:48

Submitted by : P.PIRO

Vial Number : 7

AcquisitionMeth: SCREEN.M

Integrator : RTE



Ret. Time Area %	Ratio %
6.532 1151651 60.28 9.357 758849 39.72	

815007.D

Tue Feb 14 13:00:11 2012

Page 1

```
Information from Data File:
```

: C:\msdchem\1\System7\01\_26\_12\815007.D File Name

: KAC Operator

Date Acquired 26 Jan 2012 12:48

Submitted by P, PIRO

7 Vial Number

AcquisitionMeth: SCREEN.M

RTE Integrator

C:\Database\SLI.L Search Libraries:

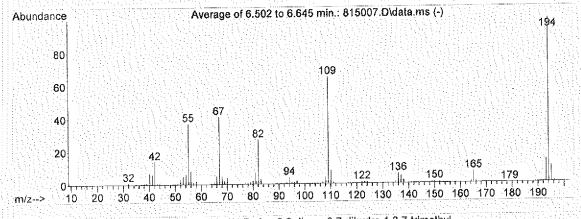
Minimum Quality: 80 Minimum Quality: 80 C:\Database\NIST05a.L

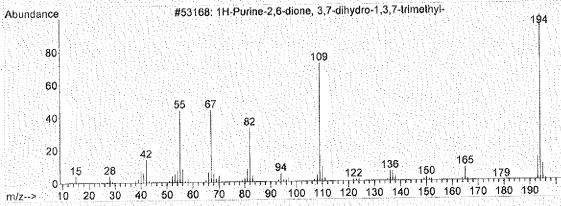
C:\Database\PMW\_TOX2.L

CAS# Oual Library/ID PK# RT 1

6.53 C:\Database\NIST05a.L 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98 98

97





: C:\msdchem\1\System7\01\_26\_12\815007.D File Name

KAC Operator

Date Acquired 26 Jan 2012 12:48

Submitted by P. PIRO

Vial Number - 7

AcquisitionMeth: SCREEN.M

: RTE Integrator

C:\Database\SLI.L Search Libraries:

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

Qual CAS# RT Library/ID PK#

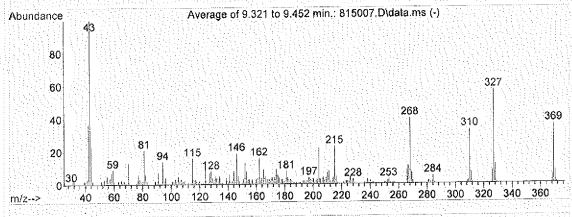
2 9.36 C:\Database\SLI.L

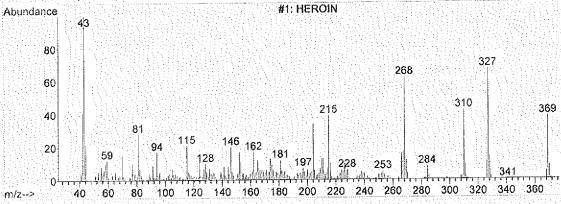
HEROIN

000561-27-3 99

Minimum Quality: 80

Minimum Quality: 80





815007.D

Tue Feb 14 13:00:12 2012

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815009.D

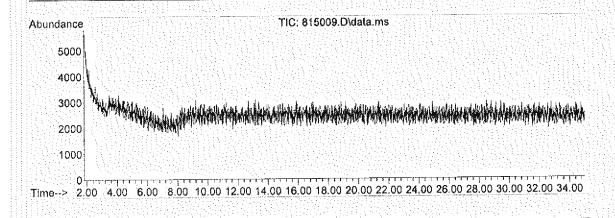
: KAC Operator

Date Acquired : 26 Jan 2012 14:06

Sample Name : BLANK Submitted by : P.PIRO 1 Vial Number

AcquisitionMeth: SCREEN.M

: RTE Integrator



Ret. Time

Area

Area

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

815009.D

Tue Feb 14 13:00:24 2012

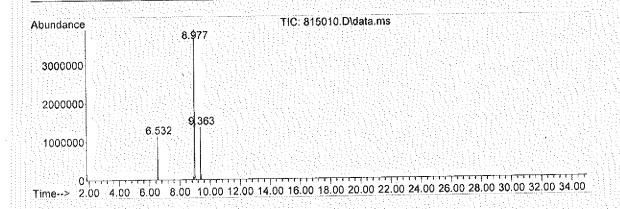
Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D

Operator : KAC

Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO
Vial Number : 10
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area Area 🕏	Ratio %
6.532	1078440 11.22 6775726 70.52	15.92 100.00
8.977 9.363	1753896 18.25	

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D

Operator : KAC

Date Acquired : 26 Jan 2012 14:45

Submitted by ; P.PIRO
Vial Number : 10
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

1 6.53 C:\Database\NIST05a.L

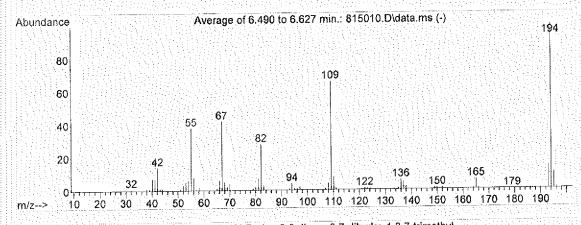
6.53 C:\Database\NISTU5a.L 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98

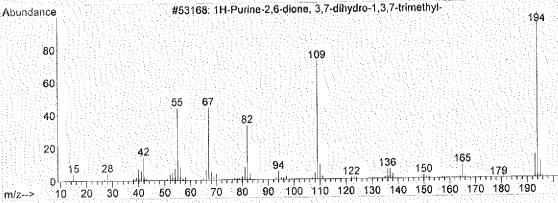
1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 96

Minimum Quality: 80

Minimum Quality: 80

Page 2





Tue Feb 14 13:00:29 2012

: C:\msdchem\1\System7\01\_26\_12\815010.D File Name

: KAC Operator.

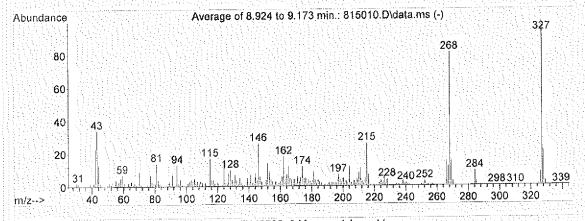
26 Jan 2012 14:45 Date Acquired

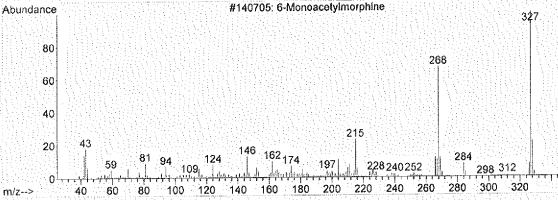
Submitted by P.PIRO Vial Number 10 AcquisitionMeth: SCREEN.M : RTE Integrator

C:\Database\SLI.L Search Libraries:

Minimum Quality: 80 Minimum Quality: 80 C:\Database\NIST05a.L C:\Database\PMW\_TOX2.L

PK# RT Library/ID	CAS# Quai
2 8.98 C:\Database\NIST05a.L	살음하다면 아이트 아는 말을 받는데
6-Monoacetylmorphine	002784-73-8 99
6-Monoacetylmorphine	002784-73-8 99
6-Monoacetylmorphine	002784-73-8 91





815010.D

Tue Feb 14 13:00:30 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D

Operator : KAC

Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO
Vial Number : 10
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 5a.L Minimum Quality: 80

C:\Database\NIST05a.L

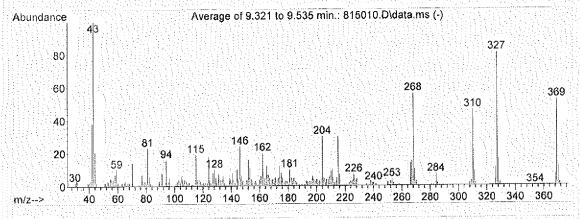
C:\Database\PMW\_TOX2.L

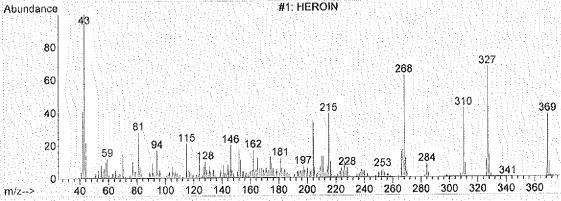
PK# RT Library/ID CAS# Qual

3 9.36 C:\Database\SLI.L

HEROIN

000561-27-3 99





815010.D

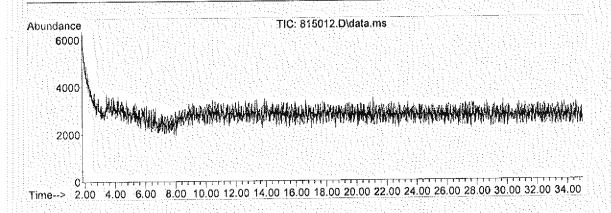
Tue Feb 14 13:00:30 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815012.D

Operator : KAC Date Acquired : 26 Jan 2012 16:04

; BLANK Sample Name : P.PIRO Submitted by Vial Number 1 AcquisitionMeth: SCREEN.M

Integrator : RTE



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

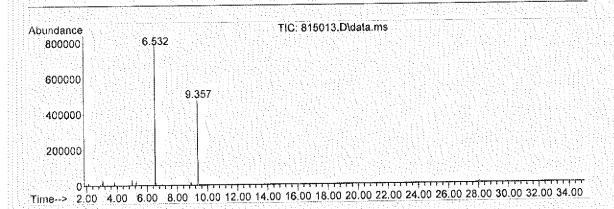
Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D

Operator : KAC

Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO
Vial Number : 13
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Tim	ie	Area	Area % R	atio %		
6.532 9.357			56.08 1 43.92			

```
Information from Data File:
```

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D

Operator : KAC

RT

PK#

Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO
Vial Number : 13
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

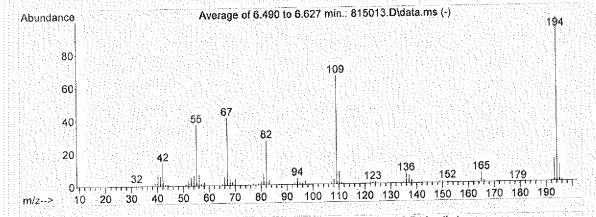
Library/ID

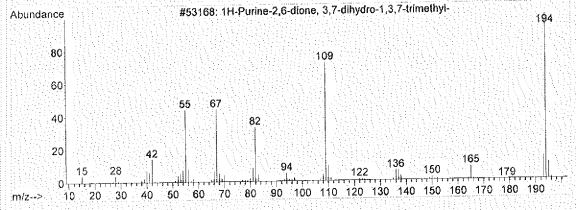
Minimum Quality: 80 Minimum Quality: 80

Qual

CAS#

			abase						
			rine-						
			rine-						





815013.D

Tue Feb 14 13:00:49 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D

Operator : KAC

Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO

Vial Number : 13

AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

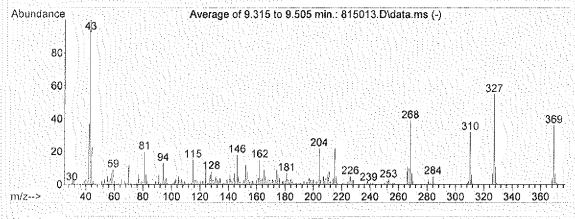
C:\Database\PMW\_TOX2.L

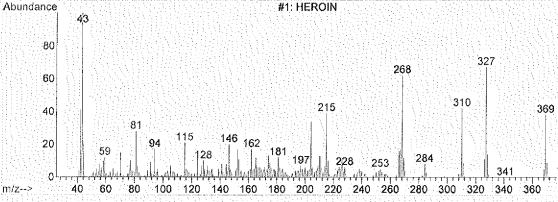
PK# RT Library/ID CAS# Qual

2 9.36 C:\Database\SLI.L

HEROIN

000561-27-3 91





815013.D

Tue Feb 14 13:00:50 2012

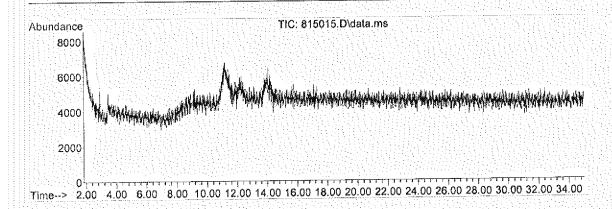
File Name : C:\msdchem\1\System7\01\_26\_12\815015.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:01

. 26 Jan : BLANK : P.PIRO : 1 Sample Name Submitted by Vial Number AcquisitionMeth: SCREEN.M

: RTE Integrator



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

815015,D

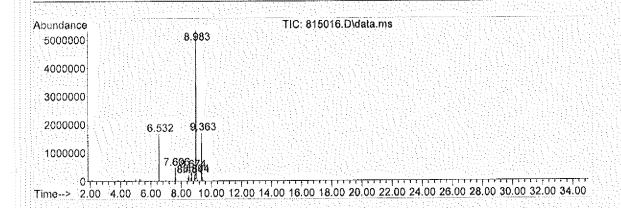
Tue Feb 14 13:01:02 2012

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO
Vial Number : 16
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area Area % Ratio %
6.532	1758735 9.93 14.64
7.606	518897 2.93 4.32
8.484	212713
8.674	516702 2.92 4.30
8.894	319090 1.80 2.66
8.983	12011516 67.85 100.00
9.363	2365474 13.36 19.69

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

: KAC Operator.

Date Acquired 26 Jan 2012 18:40

: P, PIRO Submitted by Vial Number 16 AcquisitionMeth: SCREEN.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

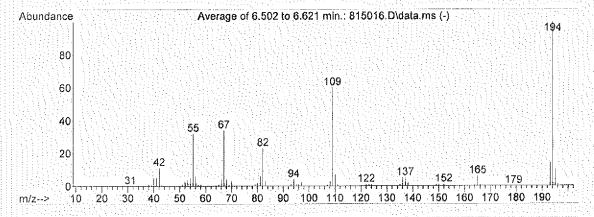
C:\Database\NIST05a.L

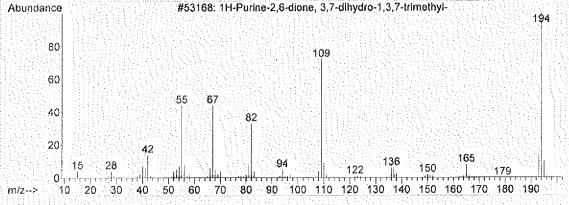
C:\Database\PMW\_TOX2.L

	PT	Librar						
PK#						.AS#	Oual	

6.53 C:\Database\NIST05a.L

1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 98 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 97 1H-Purine-2,6-dione, 3,7-dihydro-1, 000058-08-2 96





815016.D

Tue Feb 14 13:01:08 2012

Information from Data File:

: C:\msdchem\1\System7\01 26 12\815016.D File Name

: KAC Operator

Date Acquired 26 Jan 2012 18:40

Submitted by P.PIRO Vial Number 16 AcquisitionMeth: SCREEN.M Integrator

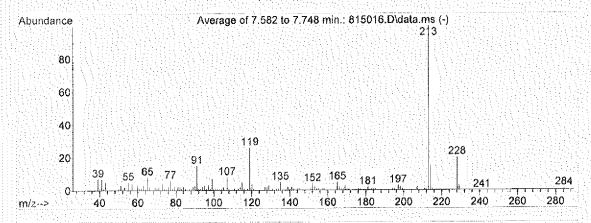
C:\Database\SLI.L Search Libraries:

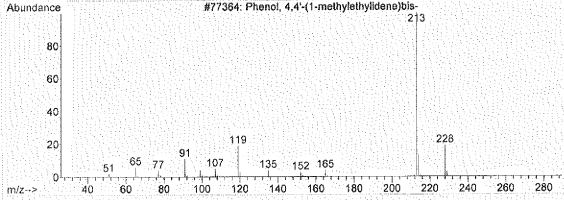
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

LV# K1	morary/1b				CADII		Vuu
		MIRONOE - I					
2 7.61	C:\Database\	ителора. г					~~
	Phenol, 4,4	!-(1-meth	ylethyliden	ie)bi 0	000080-0	5-7	
	Phenol, 4,4	'-(1-meth	ylethyliden	ne)bi 0	0-08000	5-7	98
	Phenol, 4,4	'- (1-meth	ylethyliden	e)bi 0	00080-0	5-7	95





815016,D

Tue Feb 14 13:01:08 2012

: C:\msdchem\1\System7\01\_26\_12\815016.D File Name

KAC Operator.

26 Jan 2012 18:40 Date Acquired

Submitted by P.PIRO Vial Number 16 SCREEN.M AcquisitionMeth: RTE Integrator

C:\Database\SLI.L Search Libraries:

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW\_TOX2.L

CAS# Qual PK# RT Library/ID

3 8.48 C:\Database\NIST05a.L

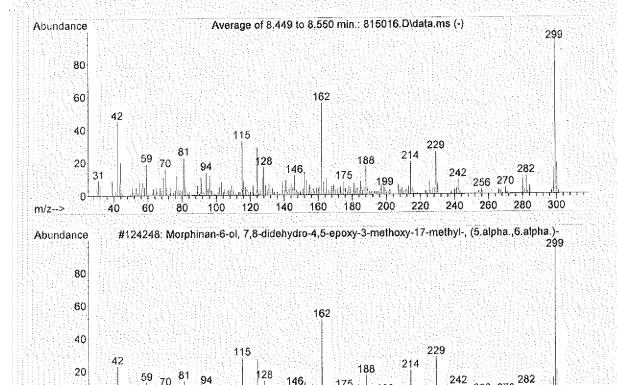
Morphinan-6-ol, 7,8-didehydro-4,5-e 000076-57-3 99 Morphinan-6-ol, 7,8-didehydro-4,5-e 000076-57-3 99 Morphinan-8-ol, 6,7-didehydro-4,5-e 000509-55-7 97

200

180

220

240



160

815016.D

0

40

60

80

100

m/z-->

120

140

256 270

260

280

313

300

File Name C:\msdchem\1\System7\01\_26\_12\815016.D

KAC Operator

26 Jan 2012 18:40 Date Acquired

Submitted by P.PIRO Vial Number 16 AcquisitionMeth: SCREEN.M RTE Integrator

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

Minimum Quality: 80

Minimum Quality: 80

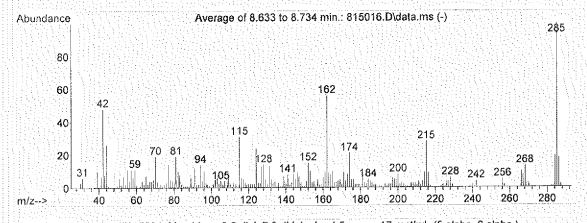
PK# RT Library/ID

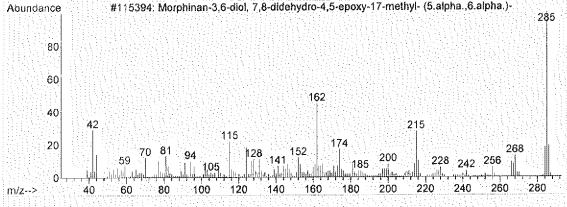
4

CAS# Qual

8.67 C:\Database\NIST05a.L

Morphinan-3,6-diol, 7,8-didehydro-4 000057-27-2 99 Morphinan-3,6-diol, 7,8-didehydro-4 000057-27-2 Morphinan-3,6-diol, 7,8-didehydro-4 000057-27-2 99 97





815016.D

Tue Feb 14 13:01:10 2012

Information from Data File:

: C:\msdchem\1\System7\01\_26\_12\815016.D File Name

KAC Operator

Date Acquired 26 Jan 2012 18:40

P.PIRO Submitted by Vial Number 1.6

AcquisitionMeth: SCREEN.M

RTE Integrator

Minimum Quality: 80 C:\Database\SLI.L Search Libraries: Minimum Quality: 80

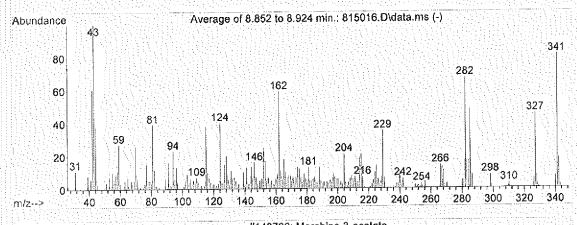
C:\Database\NIST05a.L

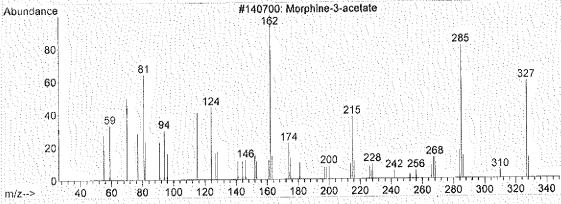
C:\Database\PMW\_TOX2.L

*	1000							<ul> <li>3. 4, 3. 4 5. 4</li> </ul>			
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C:\Database\NIST05a.L 8.89

97 005140-28-3 Morphine-3-acetate 006703-27-1 97 Morphinan-6-ol, 7,8-didehydro-4,5-e 96 1000153-00-1 Morphin, 3-acetyl-





File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO Vial Number : 16

AcquisitionMeth: SCREEN.M

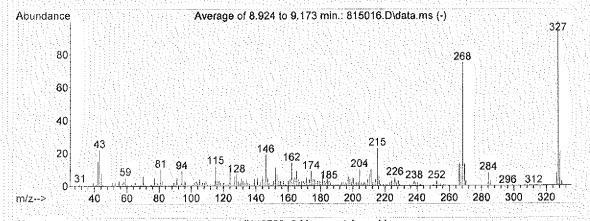
Integrator : RTE

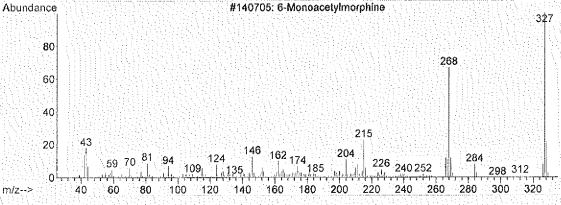
Search Libraries: C:\Database\SLT.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK# RT Library/ID	CAS# Qual
6 8.98 C:\Database\NIST05a.L	
6-Monoacetylmorphine	002784-73-8 99
6-Monoacetylmorphine	
6-Monoacetylmorphine	002784-73-8 99





Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D

Operator : KAC

Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO
Vial Number : 16
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW\_TOX2.L

PK# RT Library/ID

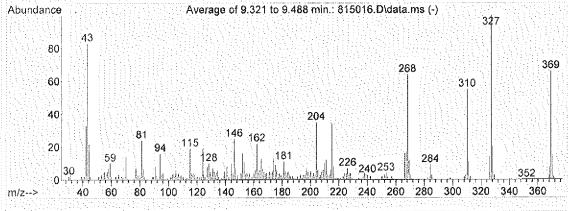
CAS# Qual

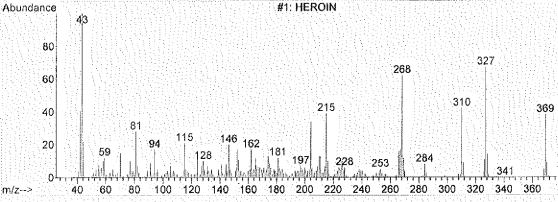
9.36 C:\Database\SLI.L

HEROIN

000561-27-3

99





815016,D

Tue Feb 14 13:01:12 2012

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815018.D Operator : KAC

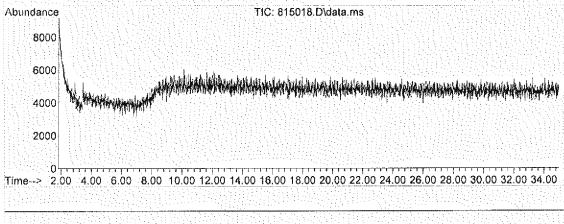
Date Acquired : 26 Jan 2012 19:59

Sample Name : BLANK

Submitted by : Vial Number : 1

AcquisitionMeth: SCREEN.M

: RTE Integrator



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

815018,D

Tue Feb 14 13:01:24 2012

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815019.D

Operator : : KAC

Date Acquired : 26 Jan 2012 20:38

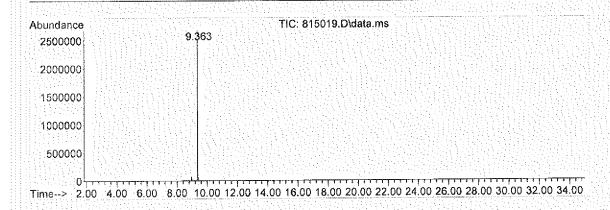
: HEROIN STD Sample Name

Submitted by

: 19 Vial Number

AcquisitionMeth: SCREEN.M

: RTE Integrator



Ret. Time	Area Aı	cea % Ratio %	
9.363	3519100 10	00.00 100.00	

Information from Data File:

File Name : C:\msdchem\1\System7\01 26 12\815019.D

20:38

Operator : KAC

Date Acquired : 26 Jan 2012

Sample Name : HEROIN STD

Submitted by

Vial Number 19

AcquisitionMeth: SCREEN.M Integrator RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

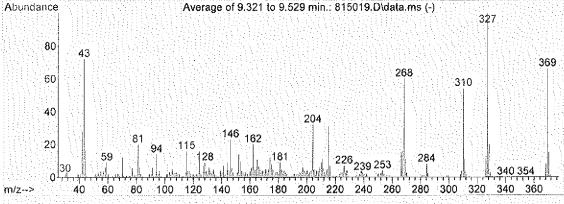
PK# RTLibrary/ID CAS# Qual

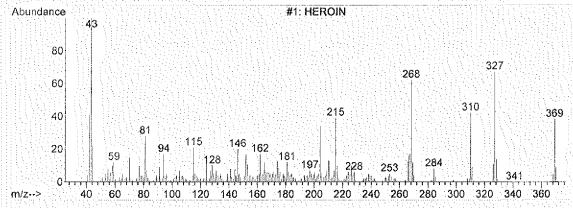
C:\Database\SLI.L 1 9,36

HEROIN

99 000561-27-3

327





815019.D

Tue Feb 14 13:01:28 2012

Page :